



TENNESSEE WEEKLY
WEATHER AND CROP BULLETIN



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Showers and Warm Weather Boost Crop Development

Despite scattered showers across the state early last week from Tropical Storm Bill, warm weather and sunshine prevailed causing rapid development and improved conditions for corn, cotton, and soybeans. Corn silking advanced 25 percentage points ahead of the week earlier, while cotton squaring jumped 26 points. However, cotton development continues to lag one to two weeks behind normal in most areas. Most soybeans producers had completed planting on schedule with a few blooms starting to show up in fields. Some cases of black shank and blue mold have been reported in isolated tobacco fields around the State. Plenty of sunshine last week spurred wheat harvest to near completion. The second cutting of alfalfa continued with an additional 29 percent of the acreage cut last week. Other activities across the state consisted of spraying herbicides to control weeds in soybeans and side-dressing nitrogen on late planted corn. With warmer weather and adequate soil moisture, all Tennessee crops were rated in mostly good condition. There were 5 days suitable for field work. As of Friday, topsoil moisture levels were rated 8 percent short, 81 percent adequate, and 11 percent surplus, while subsoil moisture levels were rated 7 percent short, 82 percent adequate, and 11 percent surplus.

CROP PROGRESS: Through July 6, 2003					CONDITION: On July 4, 2003					
Crop	This Week	Last Week	2002	Five Year Avg.	Item	Very Poor	Poor	Fair	Good	Exc
Percent					Percent					
Winter Wheat - Harvested	98	74	99	99	Corn	4	6	17	54	19
Corn - Silking	80	55	77	72	Cotton	2	10	27	57	4
Cotton - Squaring	61	35	82	90	Soybeans	0	2	19	62	17
Cotton - Setting Bolls	6	0	17	18	Tobacco	1	6	28	54	11
Soybeans - Planted	96	87	99	97	Pastures	0	2	12	64	22
Soybeans - Emerged	84	68	92	92						
Soybeans - Blooming	5	N/A	14	11						
Alfalfa Hay - Second Cutting	67	38	59	59						

WHEAT: Winter wheat harvest neared completion last week, slightly behind the 5-year average. This is the latest wheat harvest since 1997. Reported yields are good despite May’s wet weather.

CORN: Most of corn crop was reported in good-to-excellent condition. Almost two-thirds of the corn had reached the silking and beyond stage as of Sunday. Applications of nitrogen have been made in some areas to late planted corn.

COTTON: The cotton crop has been progressing well due to the onset of warmer weather. Over half of the crop has reached the squaring stage, while 6 percent has started setting bolls. There have been no reports of major insect or disease problems in the cotton crop.

SOYBEANS: Good progress was made on planting soybeans. The warm weather last week has some plants beginning to bloom across the State. Producers made herbicide applications when possible between scattered showers. Over three-fourths of the crop was rated in good-to-excellent condition.

TOBACCO: Overall, 82 percent of the tobacco crop was rated in fair-to-good condition. Some counties, such as Robertson and Grainger, have reported active cases of blue mold, while black shank has been spotted in Cocke. Monroe County reported that hornworm and budworm were observed on burley tobacco and producers are applying controls.

PASTURES & HAY: The State’s pastures remained in mostly good-to-excellent condition as a result of last week’s showers and warm weather. The second cutting of alfalfa continues at a rapid rate, outpacing last year and the 5-year average.

TEMPERATURES AND PRECIPITATION For week ending: 07/06/03 (with comparisons)										
LOCATION	TEMPERATURE				PRECIPITATION				GDD BASE 60F	
	Week Ending 07/06/03				Current Week	Rain	Current	From	Since April 1	
	HI	LO	AVG	DFN	07/06/03	Days	Since January 1	Normal	Total	DFN
Ames_Plantation	95	64	79	+1	0.30	2	37.10	+8.23	920	-58
Tri-City_RGNL_A	87	60	72	-2	2.66	3	32.41	+10.53	568	-19
Brownsville_TN	94	65	80	+0	0.20	2	33.02	+4.14	995	+191
Chattanooga/Lov	90	66	76	-2	4.76	5	40.82	+12.00	913	+51
Clarksville_Sew	94	66	78	+2	2.17	3	28.60	+1.51	833	+14
Cookeville	90	63	75	-1	1.39	2	40.85	+10.62	628	+168
Covington	92	59	78	-3	0.20	1	31.90	+3.29	865	-115
Crossville_AP	84	62	72	-2	0.98	3	40.75	+10.74	577	+36
Dickson_AG	88	59	74	-4	0.27	2	29.68	+0.45	662	-203
Dover_1W	92	61	77	+0	0.62	3	30.77	+2.62	729	+12
Dyersburg	93	70	80	+0	2.49	3	27.99	+0.89	953	-108
Erwin_1W	88	60	71	-1	2.28	4	31.41	+5.51	506	-214
Huntingdon_Wate	92	65	78	-1	0.37	2	29.97	+1.58	806	+41
Jackson_AG	92	66	79	+1	0.56	2	29.83	+1.05	891	-29
Kingston_AG	89	65	74	-1	2.60	3	37.39	+6.18	657	+17
Knoxville_AP	90	63	75	-1	2.82	3	32.92	+6.88	801	+72
Lewisburg	91	58	75	-2	1.15	2	36.04	+6.33	700	-37
Lexington_TN	91	65	78	-1	0.97	3	31.44	+3.94	807	+315
Linden	90	58	74	-3	2.17	3	36.40	+5.98	688	-71
Martin	93	60	78	+1	0.24	2	30.30	+1.95	826	-50
Mc_Minnville_Tn	90	64	75	-2	1.31	5	35.98	+6.90	797	-193
Memphis_AG	94	67	80	-3	0.00	0	32.14	+3.92	968	-224
Milan	93	63	79	+2	0.06	1	32.59	+3.21	853	-1
Murfreesboro_5N	91	66	77	-1	0.47	3	34.23	+5.85	746	-247
Nashville_Metro	91	68	78	-2	3.07	2	36.99	+11.18	847	-62
Newcomb	88	60	73	+2	1.45	4	35.32	+6.18	569	+82
Oneida	89	62	74	+2	1.13	5	33.61	+4.47	555	-256
Pikeville	90	61	75	-2	3.54	6	42.48	+13.43	751	+35
Portland_TN	91	67	77	+2	0.06	3	31.57	+3.38	680	-40
Pulaski_Water_P	89	61	75	-4	1.48	2	38.98	+9.09	741	-186
Savannah_6SW	92	63	77	-2	0.54	3	36.84	+5.27	742	-49
Sparta_TN	89	64	76	+1	0.94	5	40.51	+11.12	783	+161
Springfield	91	64	77	+1	0.26	3	27.50	+0.48	701	-25
Springhill	94	64	77	+2	1.08	3	37.00	+7.02	821	+102
Union_City	93	64	78	+0	0.98	3	31.13	+3.00	768	-86
Waynesboro_TN	90	63	75	-1	0.59	2	35.70	+4.29	710	-174

DFN = Departure From Normal (Using 1961-90 Normals Period). GDD = Growing Degree Days.
Precipitation Days = Days with precip of 0.01 inch or more. Precipitation (rain or melted snow/ice) in inches.
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